GMOS-LAN-09

LAN-29 Data Interface
2014-up

APPLICATIONS

CHEVROLET	
Silverado 1500	2014-up
Silverado 2500/3500	2015-up
Suburban	2015-up
Tahoe	2015-up

GMC	
Sierra 1500	2014-up
Sierra 2500/3500	2015-up
Yukon	2015-up

KIT FEATURES

- Provides accessory (12-volt 10-amp)
- Retains R.A.P. (Retained Accessory Power)
- Used in non-amplified systems
- Retains chimes
- Provides NAV outputs (Parking Brake, Reverse, Mute, and speed sense)
- Retains OnStar/OE Bluetooth
- Adjustable volume for chimes and OnStar
- Retains OE AUX input
- High level speaker input
- USB updatable
- Retains balance and fade
- Prewired ASWC-1 harness (ASWC-1 sold separately)

INTERFACE COMPONENTS

• GMOS-LAN-09 interface • GMOS-LAN-09 harness • 16-pin harness with stripped leads

TOOLS REQUIRED

• Cutting tool • Crimping tool • Tape • Connectors (example: butt-connectors, bell caps, etc.)

CAUTION: Metra recommends disconnecting the negative battery terminal before beginning any installation. All accessories, switches, and especially air bag indicator lights must be plugged in before reconnecting the battery or cycling the ignition.

NOTE: Refer to the instructions included with the aftermarket radio.

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Connections to be made

From the 16-pin harness with stripped leads to the aftermarket radio:

- Connect the (2) **Red** wires to the accessory wire.

  Note: *If installing the ASWC-1, there will be an accessory wire in the 12-pin harness to connect as well.*

- Connect the **Orange/White** wire to the illumination wire. If the aftermarket radio has no illumination wire, tape off the Orange/White wire.
- Connect the **White** wire to the left front positive speaker output.
- Connect the **White/Black** wire to the left front negative speaker output.
- Connect the **Gray** wire to the right front positive speaker output.
- Connect the **Gray/Black** wire to the right front negative speaker output.
- Connect the **Blue/White** wire to the amp turn-on wire.

  Note: *This wire must be connected to turn the interface on.*

- Connect the **Brown** wire to the mute wire. If the aftermarket radio does not have a Mute wire, tape up the **Brown** wire. If the **Brown** wire is not connected, the radio will turn off when OnStar is activated.

The following wires are for the aftermarket radios that have navigation built in:

- Connect the **Light Green** wire to the parking brake wire (if applicable).
- Connect the **Blue/Pink** wire to the speed sense wire (if applicable).
- Connect the **Green/Purple** wire to the reverse wire (if applicable).

From the GMOS-LAN-09 harness:

(a) 16-pin harness to the aftermarket radio:

- Connect the **Yellow** wire to the 12-volt battery wire.
- Connect the **Black** wire to the ground wire.
- Connect the **Green** wire to the left rear positive speaker output.
- Connect the **Green/Black** wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative speaker output.

(b) 22-pin harness to the aftermarket radio:

- The **Black/Yellow** wire is for the OnStar volume adjustment. This will be discussed in the OnStar Level Adjustment section of this instruction.
- The DIN connector is for use with the optional AX-LCD (sold separately). This will give you the option of changing the settings in your personalization menu.

(c) 20-pin harness to the aftermarket radio:

- Connect the **White** RCA to the aftermarket radio's left Audio AUX in.
- Connect the **Red** RCA to the aftermarket radio's right Audio AUX in.

  Note: *To retain the factory 3.5mm jack, the radio must have an Audio AUX in.*

Connections to be made

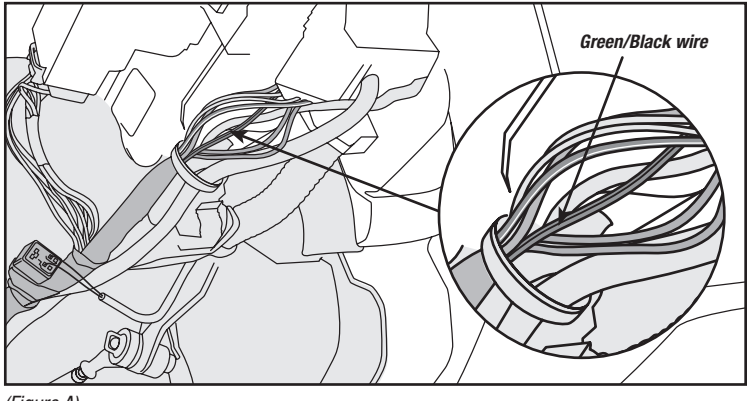
(d) 12-pin pre-wired ASWC-1 harness:

- This harness is to be used in conjunction with the optional ASWC-1 (not included) to retain steering wheel controls. If the ASWC-1 is not being used, disregard this harness. If it will be used, please refer to the ASWC-1 instructions for radio connections and programming.

  Note: *Disregard the harness that comes with the ASWC-1.*

To the aftermarket radio:

- Connect the **Red** wire to the accessory wire.



(Figure A)

Connections to be made

To the vehicle:

- Connect the **Green/Black** wire to **Green/Black** wire in the black, 8-pin connector below the steering column, on the bottom side. (Figure A)

  Note: *The relay attached to the GMOS-LAN-09 harness is only for audible turn signal clicks. No extra steps are required to retain this feature, so leave the relay as-is.*

Installing the GMOS-LAN-09

- Connect the 16-pin harness with stripped leads into the interface.
- Connect the 14-pin, 16-pin and 20-pin harness into the vehicle.
- With all connections completed, reconnect the negative battery terminal.
- Initialize the interface by turning the ignition on for 30 seconds, then turn the ignition back off, then back on again.

  Note: *If using the ASWC-1, connect it after you initialize the GMOS-LAN-09, with the key in the off position.*

Testing the GMOS-LAN-09

- Push the OnStar button; the radio should mute, and you should hear the OnStar voice. Push the OnStar cancel button; the radio should un-mute and play again.

  Note: *The radio will turn off instead if the mute wire is not connected.*

Adjusting the GMOS-LAN-09

Chime Volume Adjustment:

- With the vehicle on, turn it off and leave the key in the ignition. Open the driver's door; chimes will be heard.
- Wait 10 seconds, and then with a small screwdriver, turn the potentiometer clockwise to raise the chime level; counterclockwise to lower the chime level.

  Note: *The potentiometer is located on the side of the interface where the 16-pin harness with stripped leads is connected to.*

- When the chime level is at a desired level, remove the key from the ignition. This will lock the chime volume at its current level.

OnStar Level Adjustment

- Press the OnStar button to activate it.
- While OnStar is speaking, press the VOLUME UP or VOLUME DOWN buttons on the steering wheel to raise or lower the OnStar level.
- If the vehicle does not come equipped with steering wheel controls, find the Black/Yellow wire on the 22-pin harness.
- While OnStar is speaking, tap the Black/Yellow wire to ground. Once the OnStar level is set, it will stay at that level until the Black/Yellow wire is tapped to ground again.

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IMPORTANT WARNING

This product includes instructions for installation which must be carefully followed. The instructions are worded in such a manner to assume that the installer is capable of completing these type of electronic installations. If you are unclear as to what you are instructed to do or believe that you do not understand the instructions so as to properly and safely complete the installation *you should consult a technician who does have this knowledge and understanding.*

Failure to follow these instructions carefully and to install the interface as described could cause harm to the vehicle or to safety systems on the vehicle. Interference with certain safety systems could cause harm to persons as well. If you have any questions in this regard please call the Help line or Metra at 1-800-221-0932 for assistance.

KNOWLEDGE IS POWER
Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto www.installerinstitute.com or call 800-354-6782 for more information and take steps toward a better tomorrow.

Metra recommends MECP certified technicians

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